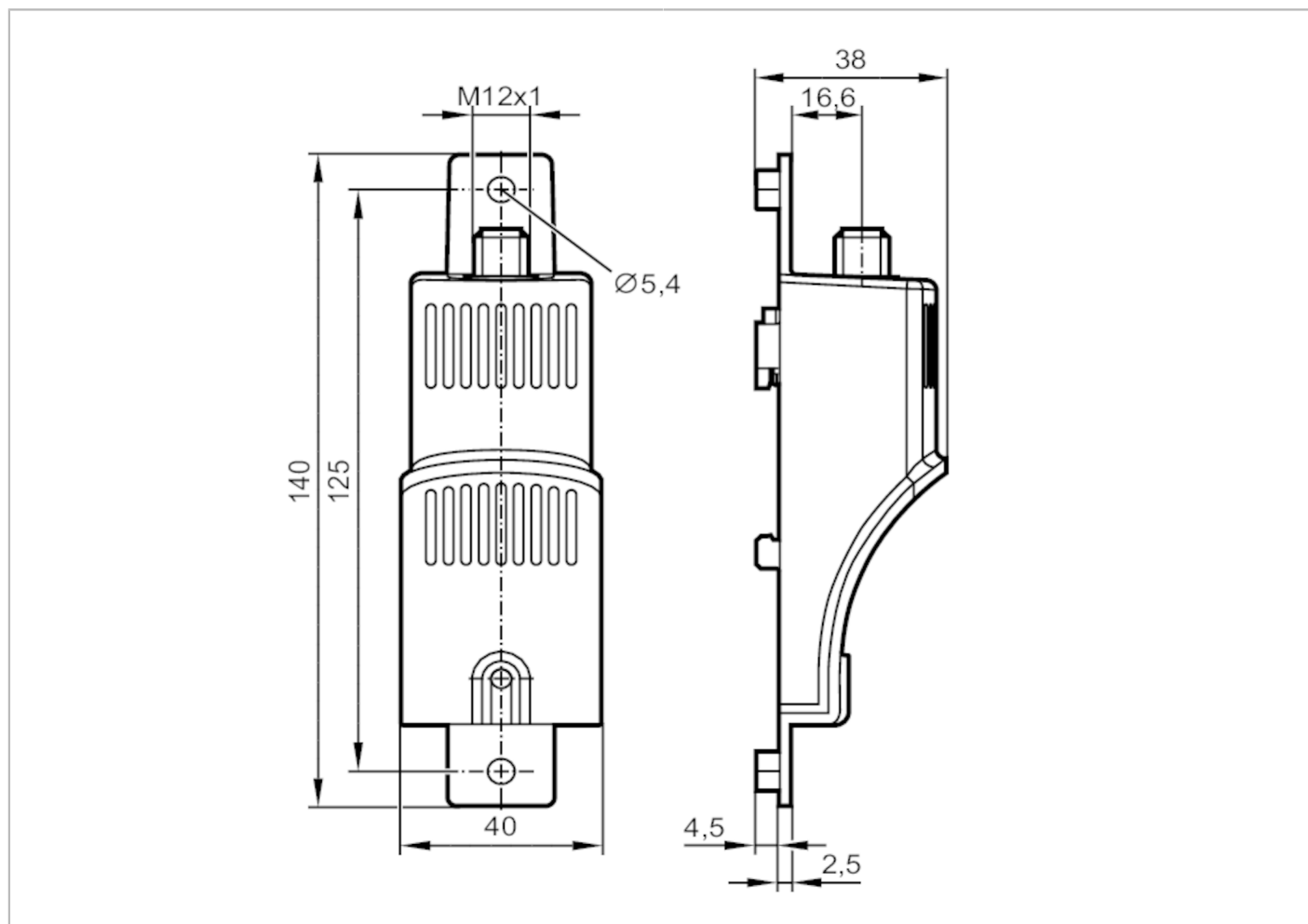


# LDH292



## Air humidity sensor

AIR HUMIDITY SENSOR IO-LINK



### Product characteristics

Number of inputs and outputs	Number of digital outputs: 1
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### Application

System	gold-plated contacts
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### Electrical data

Operating voltage [V]	18...30 DC
Current consumption [mA]	13
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	< 1

### Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1
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### Outputs

Total number of outputs	1
Output signal	IO-Link
Number of digital outputs	1

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Measuring/setting range					
Measuring range [% RH]	0...100				
Temperature measurement					
Measuring range [°C]	-40...80				
Accuracy / deviations					
Accuracy [% RH]	3; (in the range 20...80 % RH)				
Resolution [% RH]	0,1				
Temperature measurement					
Accuracy [K]	± 0,3				
Resolution [K]	0.1				
Reaction times					
Response time [s]	< 30; (T90)				
Temperature measurement					
Response time [s]	< 300; (T90)				
Interfaces					
Communication interface	IO-Link				
Transmission type	COM2 (38,4 kBaud)				
IO-Link revision	1.1				
Profiles	Identification and Diagnosis (0x4000), Measurement Data Channel (0x800A)				
SIO mode	no				
Required master port class	A				
Min. process cycle time [ms]	4.5				
Supported DeviceIDs	<table border="1"><thead><tr><th>Type of operation</th><th>DeviceID</th></tr></thead><tbody><tr><td>default</td><td>1337</td></tr></tbody></table>	Type of operation	DeviceID	default	1337
Type of operation	DeviceID				
default	1337				
Operating conditions					
Ambient temperature [°C]	-40...80				
Note on ambient temperature	application humidity: ≤ 90 % RH non condensing				
Storage temperature [°C]	-40...85				
Note on storage temperature	storage humidity: ≤ 90 % RH non condensing				
Protection	IP 20; (only sensor: IP 57)				
Tests / approvals					
EMC	DIN EN 61000-6-2 DIN EN 61000-6-4				
MTTF [years]	195				
UL approval	File number UL E224228				
Mechanical data					
Weight [g]	70				
Type of mounting	DIN rail clip for 35 mm DIN rail (EN 60715); screw mounting; (M5)				
Dimensions [mm]	140 x 40 x 38				
Material	plastics UL94 V-0; light grey				
Mounting orientation	vertical; connector facing upwards				

# LDH292



## Air humidity sensor

AIR HUMIDITY SENSOR IO-LINK

### Remarks

Pack quantity

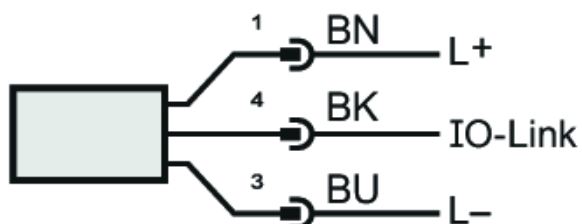
1 pcs.

### Electrical connection

Connector: 1 x M12 (EN 61067-2-101); Contacts: gold-plated



### Connection



Colors to DIN EN 60947-5-2

Core colors :

BK = black  
BN = brown  
BU = blue